OSSC Main Written Examination for Regular Teacher 22nd Sep 2023 S2
Tentative Score

Participant ID	[redacted]
Participant Name	[redacted]
Test Center Name	[redacted]
Test Date	22/09/2023
Test Time	12:30 PM - 2:30 PM
Subject	TGT Science CBZ
Marks Obtained	[redacted]

Section : Pedagogy

Q.1 According to constructivist approach to teaching-learning, the learner is considered as:

Ans
- ✗ A. Raw material to be shaped as desired.
- ✗ B. Somebody who is not exposed to world around.
- ✗ C. An empty vessel to be filled with information.
- ✓ D. An active individual with rich past experiences.

Question Type : **MCQ**
Question ID : **4906393604**
Option 1 ID : **49063914413**
Option 2 ID : **49063914415**
Option 3 ID : **49063914414**
Option 4 ID : **49063914416**
Status : **Not Answered**
Chosen Option : **--**
Marks : **0**

Q.2 Which of the following types of validity is relevant for an achievement test?

Ans
- ✗ A. Predictive validity
- ✗ B. Concurrent validity
- ✓ C. Content validity
- ✗ D. Construct validity

Question Type : **MCQ**
Question ID : **4906393618**
Option 1 ID : **49063914472**
Option 2 ID : **49063914471**
Option 3 ID : **49063914469**
Option 4 ID : **49063914470**
Status : **Answered**
Chosen Option : **C**
Marks : **1**

Q.3 Which of the following characteristics of a learner may help the teacher in designing effective teaching-learning conditions?

Ans
- ✓ A. Pre-requisite knowledge of the learner
- ✗ B. Learner's family background
- ✗ C. Good teacher-pupil relationship.
- ✗ D. Location of the school building

Question Type : **MCQ**
Question ID : **4906393606**
Option 1 ID : **49063914421**
Option 2 ID : **49063914423**
Option 3 ID : **49063914422**
Option 4 ID : **49063914424**
Status : **Answered**
Chosen Option : **A**
Marks : **1**

Q.4 For any test of ability, aptitude, or achievement, which of the following is the most important characteristic?

Ans
- ✓ A. Validity
- ✗ B. Reliability
- ✗ C. Usability
- ✗ D. Objectivity

Question Type : **MCQ**
Question ID : **4906393619**
Option 1 ID : **49063914476**
Option 2 ID : **49063914474**
Option 3 ID : **49063914475**
Option 4 ID : **49063914473**
Status : **Answered**
Chosen Option : **B**
Marks : **-1/4**

Q.5 A test used for forecasting an individual's potential for future learning in some specific area, is technically called:

Ans
- ✗ A. Diagnostic test
- ✗ B. Achievement test
- ✗ C. Ability test.
- ✓ D. Aptitude test

Question Type : **MCQ**
Question ID : **4906393620**
Option 1 ID : **49063914477**
Option 2 ID : **49063914479**
Option 3 ID : **49063914480**
Option 4 ID : **49063914478**
Status : **Answered**
Chosen Option : **D**
Marks : **1**

Q.6 Which of the following is a disadvantage of lecture method of teaching?

Ans
✗ A. Teacher can address large group of learners at the same time.
✗ B. It is economical in terms of man, money, and material.
✗ C. Its coverage may be further improved by using microphone.
✓ D. It is one-way communication which does not activate learners.

Question Type : **MCQ**
Question ID : **4906393609**
Option 1 ID : **49063914433**
Option 2 ID : **49063914436**
Option 3 ID : **49063914434**
Option 4 ID : **49063914435**
Status : **Answered**
Chosen Option : **D**
Marks : **1**

Q.7 When assessment is done for the purpose of certification, it is an example of:

Ans
✓ A. Summative assessment
✗ B. Prognostic assessment.
✗ C. Formative assessment
✗ D. Internal assessment

Question Type : **MCQ**
Question ID : **4906393614**
Option 1 ID : **49063914455**
Option 2 ID : **49063914456**
Option 3 ID : **49063914454**
Option 4 ID : **49063914453**
Status : **Answered**
Chosen Option : **A**
Marks : **1**

Q.8 Which of the following types of testing may be categorised as assessment of learning?

Ans
✗ A. Ability testing
✗ B. Diagnostic testing
✓ C. Achievement testing
✗ D. Aptitude testing

Question Type : **MCQ**
Question ID : **4906393613**
Option 1 ID : **49063914452**
Option 2 ID : **49063914449**
Option 3 ID : **49063914450**
Option 4 ID : **49063914451**
Status : **Answered**
Chosen Option : **C**
Marks : **1**

Q.9 Which of the following is NOT the purpose of formative assessment?

Ans
✗ A. To motivate learners to work harder.
✗ B. To monitor learner's ongoing progress in learning.
✗ C. To provide feedback for improvement of teaching.
✓ D. To prepare an end-term report card of learning.

Question Type : **MCQ**
Question ID : **4906393612**
Option 1 ID : **49063914447**
Option 2 ID : **49063914448**
Option 3 ID : **49063914446**
Option 4 ID : **49063914445**
Status : **Answered**
Chosen Option : **D**
Marks : **1**

Q.10 A rubric developed as a part of assessment process acts as a:

Ans
✗ A. Measuring tool.
✗ B. Seating plan
✗ C. Optical scanner.
✓ D. Scoring guide

Question Type : **MCQ**
Question ID : **4906393616**
Option 1 ID : **49063914464**
Option 2 ID : **49063914462**
Option 3 ID : **49063914461**
Option 4 ID : **49063914463**
Status : **Answered**
Chosen Option : **A**
Marks : **-1/4**

Q.11 Which of the following statements describes a characteristic of summative assessment?

Ans
✗ A. It helps the teacher to modify his method of teaching.
✗ B. It informs the learner of how well he is learning.
✓ C. It assesses learning performance at the end of the term.
✗ D. It evaluates ongoing learning progress of the learner.

Question Type : **MCQ**
Question ID : **4906393611**
Option 1 ID : **49063914442**
Option 2 ID : **49063914443**
Option 3 ID : **49063914444**
Option 4 ID : **49063914441**
Status : **Answered**
Chosen Option : **C**
Marks : **1**

Q.12 Which of the following teacher behaviour is conducive to enhancing learners' motivation?

Ans
- ✗ A. Checking daily homework
- ✗ B. Discouraging truancy
- ✓ C. Reinforcing desirable behaviour
- ✗ D. Promoting competition

Question Type : **MCQ**
Question ID : **4906393607**
Option 1 ID : **49063914426**
Option 2 ID : **49063914427**
Option 3 ID : **49063914428**
Option 4 ID : **49063914425**
Status : **Answered**
Chosen Option : **C**
Marks : **1**

Q.13 The focus of constructivist theory of learning is on:

Ans
- ✗ A. Encouraging individual self-study.
- ✗ B. Memory based learning.
- ✓ C. Interactive and discussion-based learning.
- ✗ D. Following teacher's directions in toto.

Question Type : **MCQ**
Question ID : **4906393603**
Option 1 ID : **49063914412**
Option 2 ID : **49063914409**
Option 3 ID : **49063914410**
Option 4 ID : **49063914411**
Status : **Answered**
Chosen Option : **A**
Marks : **-1/4**

Q.14 Learning is a continuous process of:

Ans
- ✗ A. Growth and development.
- ✗ B. Developing survival skills.
- ✓ C. Change in behaviour.
- ✗ D. Acquiring knowledge.

Question Type : **MCQ**
Question ID : **4906393602**
Option 1 ID : **49063914405**
Option 2 ID : **49063914407**
Option 3 ID : **49063914408**
Option 4 ID : **49063914406**
Status : **Answered**
Chosen Option : **C**
Marks : **1**

Q.15 The effectiveness of teaching-learning process is assessed in terms of:

Ans
- ✗ A. Extent of ICT used by the teacher.
- ✗ B. Amount of subject matter taught.
- ✗ C. Scores of students in the examination.
- ✓ D. Learning outcomes relative to objectives.

Question Type : **MCQ**
Question ID : **4906393601**
Option 1 ID : **49063914404**
Option 2 ID : **49063914402**
Option 3 ID : **49063914401**
Option 4 ID : **49063914403**
Status : **Not Answered**
Chosen Option : **--**
Marks : **0**

Q.16 Which of the following teaching approaches believes that learner can build knowledge on the foundation of his experiences?

Ans
- ✗ A. Curriculum-centric approach.
- ✗ B. Learner-centric approach
- ✓ C. Constructivist approach
- ✗ D. Teacher-centric approach

Question Type : **MCQ**
Question ID : **4906393610**
Option 1 ID : **49063914440**
Option 2 ID : **49063914439**
Option 3 ID : **49063914438**
Option 4 ID : **49063914437**
Status : **Answered**
Chosen Option : **C**
Marks : **1**

Q.17 While selecting teachers for undergraduate teaching, previous work of candidates like book, paper/articles published, and certificates of other accomplishments are examined. This is a kind of:

Ans
- ✗ A. Formative assessment.
- ✗ B. Project work assessment
- ✗ C. Summative assessment
- ✓ D. Portfolio assessment.

Question Type : **MCQ**
Question ID : **4906393615**
Option 1 ID : **49063914457**
Option 2 ID : **49063914459**
Option 3 ID : **49063914458**
Option 4 ID : **49063914460**
Status : **Not Answered**
Chosen Option : **--**
Marks : **0**

Q.18 The first step in the process of development of an achievement test is to:

Ans
✗ A. Prepare a blueprint for the proposed test.
✓ B. List course objectives to be achieved.
✗ C. Decide the number and type of test-items.
✗ D. Construct a content-based pool of test-items.

Question Type : **MCQ**
Question ID : **4906393617**
Option 1 ID : **49063914465**
Option 2 ID : **49063914467**
Option 3 ID : **49063914468**
Option 4 ID : **49063914466**
Status : **Answered**
Chosen Option : **A**
Marks : **-1/4**

Q.19 Which of the following statements is true for relationship between learning and maturation?

Ans
✓ A. Learning-maturation relationship is complex.
✗ B. Learning and maturation are synonymous.
✗ C. Learning is not related to maturation.
✗ D. Learning precedes maturation..

Question Type : **MCQ**
Question ID : **4906393608**
Option 1 ID : **49063914432**
Option 2 ID : **49063914430**
Option 3 ID : **49063914429**
Option 4 ID : **49063914431**
Status : **Answered**
Chosen Option : **D**
Marks : **-1/4**

Q.20 Which of the following techniques of learning emerged out of humanistic theory of Karl Rogers?

Ans
✗ A. Learning through imitation
✗ B. Learning by conditioning.
✓ C. Learning by self-initiation
✗ D. Learning by discovery

Question Type : **MCQ**
Question ID : **4906393605**
Option 1 ID : **49063914419**
Option 2 ID : **49063914420**
Option 3 ID : **49063914418**
Option 4 ID : **49063914417**
Status : **Answered**
Chosen Option : **C**
Marks : **1**

Section : Botany

Q.21 Phototropism is caused in the stimulated stems because of unequal distribution of

Ans
- ✓ A. Auxin
- ✗ B. Cytokinin
- ✗ C. Ehylene
- ✗ D. Gibberelin

Question Type : **MCQ**
Question ID : **4906393646**
Option 1 ID : **49063914581**
Option 2 ID : **49063914582**
Option 3 ID : **49063914584**
Option 4 ID : **49063914583**
Status : **Answered**
Chosen Option : **A**
Marks : **1**

Q.22 The common method of reproduction in yeast is

Ans
- ✓ A. Budding
- ✗ B. Fission
- ✗ C. Conidia formation
- ✗ D. Endospore formation

Question Type : **MCQ**
Question ID : **4906393652**
Option 1 ID : **49063914605**
Option 2 ID : **49063914606**
Option 3 ID : **49063914607**
Option 4 ID : **49063914608**
Status : **Answered**
Chosen Option : **C**
Marks : **-1/4**

Q.23 The culture of anther produces a wide range of

Ans
- ✗ A. Triploid tree
- ✗ B. Tetraploid tree
- ✓ C. Haploid trees
- ✗ D. Diploid trees

Question Type : **MCQ**
Question ID : **4906393660**
Option 1 ID : **49063914639**
Option 2 ID : **49063914640**
Option 3 ID : **49063914637**
Option 4 ID : **49063914638**
Status : **Answered**
Chosen Option : **D**
Marks : **-1/4**

Q.24 The total number of different unit characters chosen by Mendel for his experiment in Garden Pea were

Ans
- ✗ A. 9
- ✓ B. 7
- ✗ C. 8
- ✗ D. 6

Question Type : **MCQ**
Question ID : **4906393657**
Option 1 ID : **49063914628**
Option 2 ID : **49063914626**
Option 3 ID : **49063914627**
Option 4 ID : **49063914625**
Status : **Answered**
Chosen Option : **B**
Marks : **1**

Q.25 The source of Oxygen liberated in photosynthesis is

Ans
- ✓ A. H_2O
- ✗ B. CO_2
- ✗ C. Photosynthetic pigments
- ✗ D. Glucose

Question Type : **MCQ**
Question ID : **4906393629**
Option 1 ID : **49063914514**
Option 2 ID : **49063914513**
Option 3 ID : **49063914516**
Option 4 ID : **49063914515**
Status : **Answered**
Chosen Option : **A**
Marks : **1**

Q.26 Mesophytes are a group of plants that grow in/on

Ans
- ✓ A. Land
- ✗ B. Sand
- ✗ C. Rock
- ✗ D. Water

Question Type : **MCQ**
Question ID : **4906393623**
Option 1 ID : **49063914491**
Option 2 ID : **49063914492**
Option 3 ID : **49063914490**
Option 4 ID : **49063914489**
Status : **Not Answered**
Chosen Option : **--**
Marks : **0**

Q.27 Entry of pollen tube in to the ovule through its integument is known as

Ans
- ✗ A. Chalazogamy
- ✗ B. Porogamy
- ✓ C. Mesogamy
- ✗ D. Basigamy

Question Type : **MCQ**
Question ID : **4906393655**
Option 1 ID : **49063914619**
Option 2 ID : **49063914617**
Option 3 ID : **49063914618**
Option 4 ID : **49063914620**
Status : **Answered**
Chosen Option : **C**
Marks : **1**

Q.28 Ethylene is a

Ans
- ✗ A. Solid hormone
- ✓ B. Gaseous hormone
- ✗ C. Semisolid hormone
- ✗ D. Liquid hormone

Question Type : **MCQ**
Question ID : **4906393648**
Option 1 ID : **49063914589**
Option 2 ID : **49063914592**
Option 3 ID : **49063914591**
Option 4 ID : **49063914590**
Status : **Answered**
Chosen Option : **B**
Marks : **1**

Q.29 Anemophily is linked to pollination by

Ans
- ✗ A. Water
- ✗ B. Insects
- ✗ C. Animals
- ✓ D. Wind

Question Type : **MCQ**
Question ID : **4906393654**
Option 1 ID : **49063914614**
Option 2 ID : **49063914616**
Option 3 ID : **49063914615**
Option 4 ID : **49063914613**
Status : **Answered**
Chosen Option : **D**
Marks : **1**

Q.30 Ustilago, the causative agent of smut disease , spreads rapidly fast in

Ans
- ✓ A. Dry weather
- ✗ B. Damp weather
- ✗ C. Wet weather
- ✗ D. Cloudy weather

Question Type : **MCQ**
Question ID : **4906393665**
Option 1 ID : **49063914660**
Option 2 ID : **49063914657**
Option 3 ID : **49063914659**
Option 4 ID : **49063914658**
Status : **Answered**
Chosen Option : **C**
Marks : **-1/4**

Q.31 Virus free plants are produced from the tissue culture of

Ans
- ✗ A. Intercalary meristem
- ✓ B. Apical meristem
- ✗ C. Lateral meristems
- ✗ D. Pith cell

Question Type : **MCQ**
Question ID : **4906393659**
Option 1 ID : **49063914634**
Option 2 ID : **49063914633**
Option 3 ID : **49063914636**
Option 4 ID : **49063914635**
Status : **Answered**
Chosen Option : **B**
Marks : **1**

Q.32 C4 plants are adopted

Ans
- ✗ A. Humid climate
- ✗ B. Temperate climate
- ✓ C. Hot and dry climate
- ✗ D. Cold and dry climate

Question Type : **MCQ**
Question ID : **4906393628**
Option 1 ID : **49063914509**
Option 2 ID : **49063914510**
Option 3 ID : **49063914512**
Option 4 ID : **49063914511**
Status : **Answered**
Chosen Option : **C**
Marks : **1**

Q.33 Heart wood in plant is a

Ans
- ✗ A. Growing tissue
- ✓ B. Dead tissue
- ✗ C. Living tissue
- ✗ D. Decomposed tissue

Question Type : **MCQ**
Question ID : **4906393651**
Option 1 ID : **49063914602**
Option 2 ID : **49063914604**
Option 3 ID : **49063914601**
Option 4 ID : **49063914603**
Status : **Not Answered**
Chosen Option : **--**
Marks : **0**

Q.34 The hormone that induces cell division is

Ans
- ✗ A. Gibberelin
- ✗ B. Auxin
- ✓ C. Cytokinin
- ✗ D. Ehylene

Question Type : **MCQ**
Question ID : **4906393647**
Option 1 ID : **49063914587**
Option 2 ID : **49063914585**
Option 3 ID : **49063914586**
Option 4 ID : **49063914588**
Status : **Answered**
Chosen Option : **C**
Marks : **1**

Q.35 Conjoined collateral closed vascular bundles are seen in

Ans
- ✓ A. Monocot Stem
- ✗ B. Dicot root
- ✗ C. Monocot root
- ✗ D. Dicot Stem

Question Type : **MCQ**
Question ID : **4906393643**
Option 1 ID : **49063914570**
Option 2 ID : **49063914571**
Option 3 ID : **49063914572**
Option 4 ID : **49063914569**
Status : **Answered**
Chosen Option : **A**
Marks : **1**

Q.36 The parenchymatous cells that give buoyancy to floating plants are called as

Ans
- ✗ A. Chlorenchyma
- ✗ B. Collenchyma
- ✗ C. Prosenchyma
- ✓ D. Aerenchyma

Question Type : **MCQ**
Question ID : **4906393640**
Option 1 ID : **49063914557**
Option 2 ID : **49063914559**
Option 3 ID : **49063914560**
Option 4 ID : **49063914558**
Status : **Answered**
Chosen Option : **D**
Marks : **1**

Q.37 Meristematic tissues are characterized by

Ans
- ✗ A. Thick cell walls with no intracellular space
- ✗ B. Thick cell wall with intracellular space
- ✗ C. Thin cell wall with intracellular space
- ✓ D. Thin cell walls with no intercellular space

Question Type : **MCQ**
Question ID : **4906393639**
Option 1 ID : **49063914555**
Option 2 ID : **49063914556**
Option 3 ID : **49063914554**
Option 4 ID : **49063914553**
Status : **Answered**
Chosen Option : **C**
Marks : **-1/4**

Q.38 Asexual reproduction in Ascomycetes takes place commonly through

Ans
- ✗ A. Zoospores
- ✓ B. Conidia
- ✗ C. Endospores
- ✗ D. Akinites

Question Type : **MCQ**
Question ID : **4906393653**
Option 1 ID : **49063914609**
Option 2 ID : **49063914610**
Option 3 ID : **49063914612**
Option 4 ID : **49063914611**
Status : **Answered**
Chosen Option : **A**
Marks : **-1/4**

Q.39 Cyclic photophosphorylation produces

Ans

✗ A. ATP, $NADPH_2$ and O_2

✓ B. ATP

✗ C. $NADPH_2$

✗ D. ATP and $NADPH_2$

Question Type : **MCQ**
Question ID : **4906393624**
Option 1 ID : **49063914496**
Option 2 ID : **49063914494**
Option 3 ID : **49063914495**
Option 4 ID : **49063914493**
Status : **Answered**
Chosen Option : **B**
Marks : **1**

Q.40 The dehybrid cross ratio of 9:3:3:1 represents the

Ans

✗ A. Genotypic ratio

✗ B. Both genotypic and phenotypic ratios

✗ C. Allelic Ratio

✓ D. Phenotypic ratio

Question Type : **MCQ**
Question ID : **4906393658**
Option 1 ID : **49063914629**
Option 2 ID : **49063914631**
Option 3 ID : **49063914632**
Option 4 ID : **49063914630**
Status : **Answered**
Chosen Option : **D**
Marks : **1**

Q.41 The fungus Phytophthora influenza is the causal agent of

Ans

✗ A. Red blight of potato

✗ B. Black blight of potato

✗ C. Early blight of potato

✓ D. Late blight of potato

Question Type : **MCQ**
Question ID : **4906393662**
Option 1 ID : **49063914646**
Option 2 ID : **49063914647**
Option 3 ID : **49063914645**
Option 4 ID : **49063914648**
Status : **Answered**
Chosen Option : **D**
Marks : **1**

Q.42 The alternative (second) host associated with black stem rust of wheat is

Ans
- ✗ A. Barley
- ✓ B. Barberry
- ✗ C. Wheat
- ✗ D. Maize

Question Type : **MCQ**
Question ID : **4906393663**
Option 1 ID : **49063914650**
Option 2 ID : **49063914651**
Option 3 ID : **49063914649**
Option 4 ID : **49063914652**
Status : **Answered**
Chosen Option : **B**
Marks : **1**

Q.43 During the dark reaction of photosynthesis

Ans
- ✗ A. Water splits
- ✗ B. Chlorophyll is activated
- ✗ C. 6C sugar breaks down to 3C sugars
- ✓ D. CO_2 is reduced to Organic compounds

Question Type : **MCQ**
Question ID : **4906393630**
Option 1 ID : **49063914517**
Option 2 ID : **49063914520**
Option 3 ID : **49063914519**
Option 4 ID : **49063914518**
Status : **Answered**
Chosen Option : **D**
Marks : **1**

Q.44 The photoperiodic behavior of plants is mediated by a pigment known as

Ans
- ✗ A. Florigen
- ✓ B. Phytochrome
- ✗ C. Ferrochrome
- ✗ D. Cytochrome

Question Type : **MCQ**
Question ID : **4906393642**
Option 1 ID : **49063914568**
Option 2 ID : **49063914565**
Option 3 ID : **49063914567**
Option 4 ID : **49063914566**
Status : **Answered**
Chosen Option : **B**
Marks : **1**

Q.45 The base metal in the chlorophyll molecule is

Ans
- ✗ A. Iron
- ✗ B. Zinc
- ✗ C. Nickel
- ✓ D. Magnesium

Question Type : **MCQ**
Question ID : **4906393621**
Option 1 ID : **49063914482**
Option 2 ID : **49063914484**
Option 3 ID : **49063914481**
Option 4 ID : **49063914483**
Status : **Answered**
Chosen Option : **D**
Marks : **1**

Q.46 Which among the following does not include phloem ?

Ans
- ✗ A. Companion cells
- ✗ B. Sieve tubes
- ✗ C. Phloem parenchyma
- ✓ D. Wood fibers

Question Type : **MCQ**
Question ID : **4906393641**
Option 1 ID : **49063914562**
Option 2 ID : **49063914561**
Option 3 ID : **49063914563**
Option 4 ID : **49063914564**
Status : **Answered**
Chosen Option : **D**
Marks : **1**

Q.47 The law of segregation is linked to

Ans
- ✓ A. Meiosis
- ✗ B. Amitosis
- ✗ C. Promitosis
- ✗ D. Mitosis

Question Type : **MCQ**
Question ID : **4906393661**
Option 1 ID : **49063914642**
Option 2 ID : **49063914643**
Option 3 ID : **49063914644**
Option 4 ID : **49063914641**
Status : **Answered**
Chosen Option : **A**
Marks : **1**

Q.48 Coraloid roots are seen with

Ans
- ✗ A. Pinus
- ✗ B. Gnetum
- ✗ C. Psilotum
- ✓ D. Cycas

Question Type : **MCQ**
Question ID : **4906393627**
Option 1 ID : **49063914506**
Option 2 ID : **49063914508**
Option 3 ID : **49063914507**
Option 4 ID : **49063914505**
Status : **Answered**
Chosen Option : **D**
Marks : **1**

Q.49 Carotenoid pigments protects the plant from

Ans
- ✗ A. Dessication
- ✗ B. Photorespiration
- ✓ C. Photooxidation
- ✗ D. Photosynthesis

Question Type : **MCQ**
Question ID : **4906393634**
Option 1 ID : **49063914535**
Option 2 ID : **49063914536**
Option 3 ID : **49063914533**
Option 4 ID : **49063914534**
Status : **Answered**
Chosen Option : **C**
Marks : **1**

Q.50 Ribbon-shaped chloroplasts can be seen in

Ans
- ✗ A. Chlorella
- ✗ B. Chlamydomonas
- ✗ C. Cladophora
- ✓ D. Spirogyra

Question Type : **MCQ**
Question ID : **4906393631**
Option 1 ID : **49063914522**
Option 2 ID : **49063914521**
Option 3 ID : **49063914523**
Option 4 ID : **49063914524**
Status : **Not Answered**
Chosen Option : **--**
Marks : **0**

Q.51 Elaters seen in bryophytes are responsible

Ans
- ✗ A. Spore multiplication
- ✗ B. Spore development
- ✗ C. Spore germination
- ✓ D. Spore dispersal

Question Type : **MCQ**
Question ID : **4906393635**
Option 1 ID : **49063914538**
Option 2 ID : **49063914537**
Option 3 ID : **49063914540**
Option 4 ID : **49063914539**
Status : **Not Answered**
Chosen Option : **--**
Marks : **0**

Q.52 Tropical plants such as sugarcane show high efficiency for fixation of CO_2 due to

Ans
- ✓ A. Hatch Slack Cycle
- ✗ B. Calvin Cycle
- ✗ C. TCA cycle
- ✗ D. EMP pathway.

Question Type : **MCQ**
Question ID : **4906393636**
Option 1 ID : **49063914543**
Option 2 ID : **49063914541**
Option 3 ID : **49063914542**
Option 4 ID : **49063914544**
Status : **Answered**
Chosen Option : **A**
Marks : **1**

Q.53 Bicolateral vascular bundles are seen with

Ans
- ✗ A. Rice
- ✓ B. Cucurbita
- ✗ C. Tobacco
- ✗ D. Betel leaf

Question Type : **MCQ**
Question ID : **4906393650**
Option 1 ID : **49063914598**
Option 2 ID : **49063914597**
Option 3 ID : **49063914600**
Option 4 ID : **49063914599**
Status : **Answered**
Chosen Option : **B**
Marks : **1**

Q.54 Gemma cups can be seen in

Ans
- ✗ A. Anthoceros
- ✓ B. Marchantia
- ✗ C. Riccia
- ✗ D. Funaria

Question Type : **MCQ**
Question ID : **4906393622**
Option 1 ID : **49063914487**
Option 2 ID : **49063914486**
Option 3 ID : **49063914485**
Option 4 ID : **49063914488**
Status : **Answered**
Chosen Option : **B**
Marks : **1**

Q.55 Protonema appears with members

Ans
- ✗ A. Hepaticopsida
- ✗ B. Anthocerotopsida
- ✓ C. Bryopsida
- ✗ D. Pteropsida

Question Type : **MCQ**
Question ID : **4906393632**
Option 1 ID : **49063914525**
Option 2 ID : **49063914526**
Option 3 ID : **49063914527**
Option 4 ID : **49063914528**
Status : **Answered**
Chosen Option : **C**
Marks : **1**

Q.56 The supplementary factor is represented by phenotypic ratio

Ans
- ✗ A. 9:7
- ✓ B. 9:3:4
- ✗ C. 9:3:3:1
- ✗ D. 12:3:1

Question Type : **MCQ**
Question ID : **4906393664**
Option 1 ID : **49063914653**
Option 2 ID : **49063914654**
Option 3 ID : **49063914656**
Option 4 ID : **49063914655**
Status : **Answered**
Chosen Option : **A**
Marks : **-1/4**

Q.57 Endosperm in gymnosperm is

Ans
- ✓ A. Haploid
- ✗ B. Triploid
- ✗ C. Diploid
- ✗ D. Tetraploid

Question Type : **MCQ**
Question ID : **4906393626**
Option 1 ID : **49063914501**
Option 2 ID : **49063914503**
Option 3 ID : **49063914502**
Option 4 ID : **49063914504**
Status : **Answered**
Chosen Option : **C**
Marks : **-1/4**

Q.58 Internode elongation is primarily associated with

Ans
- ✓ A. Gibberellins
- ✗ B. Cytokinin
- ✗ C. Abscisic acid
- ✗ D. Auxins

Question Type : **MCQ**
Question ID : **4906393649**
Option 1 ID : **49063914595**
Option 2 ID : **49063914594**
Option 3 ID : **49063914596**
Option 4 ID : **49063914593**
Status : **Answered**
Chosen Option : **A**
Marks : **1**

Q.59 Casperian strips are associated with

Ans
- ✗ A. Medullary rays
- ✗ B. Vascular bundles
- ✓ C. Endodermis
- ✗ D. Pericycle

Question Type : **MCQ**
Question ID : **4906393644**
Option 1 ID : **49063914576**
Option 2 ID : **49063914575**
Option 3 ID : **49063914573**
Option 4 ID : **49063914574**
Status : **Answered**
Chosen Option : **C**
Marks : **1**

Q.60 Mucor is a

Ans
- ✗ A. Parasite
- ✓ B. Saprophyte
- ✗ C. Epiphyte
- ✗ D. Semi-parasite

Question Type : **MCQ**
Question ID : **4906393625**
Option 1 ID : **49063914497**
Option 2 ID : **49063914498**
Option 3 ID : **49063914500**
Option 4 ID : **49063914499**
Status : **Not Answered**
Chosen Option : **--**
Marks : **0**

Q.61 The elements associated with photolysis of water in photosynthesis are

Ans
- ✗ A. Na and K
- ✗ B. Mo and Cl
- ✗ C. B and Cl
- ✓ D. Mn and Cl

Question Type : **MCQ**
Question ID : **4906393637**
Option 1 ID : **49063914545**
Option 2 ID : **49063914547**
Option 3 ID : **49063914546**
Option 4 ID : **49063914548**
Status : **Answered**
Chosen Option : **D**
Marks : **1**

Q.62 The substrate for photorespiration is

Ans
- ✗ A. Serine
- ✓ B. Glycolate
- ✗ C. OAA
- ✗ D. Malic acid

Question Type : **MCQ**
Question ID : **4906393633**
Option 1 ID : **49063914532**
Option 2 ID : **49063914529**
Option 3 ID : **49063914531**
Option 4 ID : **49063914530**
Status : **Answered**
Chosen Option : **C**
Marks : **-1/4**

Q.63 Triple fusion in angiosperms results in the formation of

Ans
- ✗ A. Zygote
- ✗ B. Oospore
- ✓ C. Endosperm
- ✗ D. Oosphere

Question Type : **MCQ**
Question ID : **4906393656**
Option 1 ID : **49063914621**
Option 2 ID : **49063914623**
Option 3 ID : **49063914624**
Option 4 ID : **49063914622**
Status : **Answered**
Chosen Option : **C**
Marks : **1**

Q.64 Cork cambium is associated with the second growth of stems in

Ans
- ✓ A. Extra stelar Area
- ✗ B. Intra stelar Area
- ✗ C. Stelar Area
- ✗ D. Non- Stelar Area

Question Type : **MCQ**
Question ID : **4906393645**
Option 1 ID : **49063914579**
Option 2 ID : **49063914580**
Option 3 ID : **49063914577**
Option 4 ID : **49063914578**
Status : **Not Answered**
Chosen Option : **--**
Marks : **0**

Q.65 The fungus responsible for causing the Smut disease belongs to

Ans
- ✗ A. Deuteromycetes
- ✓ B. Basidiomysetes
- ✗ C. Ascomycetes
- ✗ D. Phycomycetes

Question Type : **MCQ**
Question ID : **4906393638**
Option 1 ID : **49063914552**
Option 2 ID : **49063914551**
Option 3 ID : **49063914549**
Option 4 ID : **49063914550**
Status : **Answered**
Chosen Option : **B**
Marks : **1**

Section : **Zoology**

Q.66 The experimental material used by Mendel for his study in genetics is

Ans
- ✗ A. Frog
- ✗ B. Cockroach
- ✗ C. Drosophila
- ✓ D. Garden Pea

Question Type : **MCQ**
Question ID : **4906393681**
Option 1 ID : **49063914724**
Option 2 ID : **49063914723**
Option 3 ID : **49063914721**
Option 4 ID : **49063914722**
Status : **Answered**
Chosen Option : **D**
Marks : **1**

Q.67 The Vitamin that is synthesized by Bacteria inside the gut is

Ans
- ✓ A. K
- ✗ B. C
- ✗ C. D
- ✗ D. B

Question Type : **MCQ**
Question ID : **4906393687**
Option 1 ID : **49063914748**
Option 2 ID : **49063914746**
Option 3 ID : **49063914747**
Option 4 ID : **49063914745**
Status : **Answered**
Chosen Option : **D**
Marks : **-1/4**

Q.68 The nerve centre for hunger and thirst is present in

Ans
- ✗ A. Pons
- ✗ B. Medulla
- ✓ C. Hypothalamus
- ✗ D. Thalamus

Question Type : **MCQ**
Question ID : **4906393673**
Option 1 ID : **49063914690**
Option 2 ID : **49063914691**
Option 3 ID : **49063914689**
Option 4 ID : **49063914692**
Status : **Answered**
Chosen Option : **B**
Marks : **-1/4**

Q.69 Kaziranga National park is linked to the conservation of:

Ans ✓ A. One horned Rhinos

✗ B. Deers

✗ C. Peacocks

✗ D. Elephants

Question Type : **MCQ**
Question ID : **4906393706**
Option 1 ID : **49063914822**
Option 2 ID : **49063914824**
Option 3 ID : **49063914821**
Option 4 ID : **49063914823**
Status : **Answered**
Chosen Option : **A**
Marks : **1**

Q.70 If the coding DNA strand has got the nitrogenous base sequence of (AATTCAAT), the corresponding mRNA will have the sequence of

Ans ✓ A. AAUUCAAU

✗ B. UUTTUGGC

✗ C. AAGTTACC

✗ D. TTAAGTTA

Question Type : **MCQ**
Question ID : **4906393683**
Option 1 ID : **49063914729**
Option 2 ID : **49063914732**
Option 3 ID : **49063914731**
Option 4 ID : **49063914730**
Status : **Not Answered**
Chosen Option : **--**
Marks : **0**

Q.71 The number of CO_2 molecules released during complete oxidation of a single molecule of Glucose is/are

Ans ✓ A. Six

✗ B. Three

✗ C. One

✗ D. Five

Question Type : **MCQ**
Question ID : **4906393677**
Option 1 ID : **49063914708**
Option 2 ID : **49063914707**
Option 3 ID : **49063914705**
Option 4 ID : **49063914706**
Status : **Answered**
Chosen Option : **A**
Marks : **1**

Q.72 The chemical formed during anaerobic respiration responsible for Muscle Cramps is

Ans
- ✗ A. Glutamic acid
- ✓ B. Lactic acid
- ✗ C. Carboxylic acid
- ✗ D. Pyruvic acid

Question Type : **MCQ**
Question ID : **4906393678**
Option 1 ID : **49063914711**
Option 2 ID : **49063914710**
Option 3 ID : **49063914712**
Option 4 ID : **49063914709**
Status : **Answered**
Chosen Option : **B**
Marks : **1**

Q.73 The cells named podocytes occur in

Ans
- ✓ A. Inner wall of Bowman's capsule
- ✗ B. Outer wall of Bowman's capsule
- ✗ C. Upper wall of Bowman's capsule
- ✗ D. Large Intestine

Question Type : **MCQ**
Question ID : **4906393670**
Option 1 ID : **49063914677**
Option 2 ID : **49063914678**
Option 3 ID : **49063914679**
Option 4 ID : **49063914680**
Status : **Answered**
Chosen Option : **A**
Marks : **1**

Q.74 The common feature among amylase, rennin, and trypsin is:

Ans
- ✗ A. All are produced in Stomach
- ✓ B. All are proteins
- ✗ C. All are proteolytic enzymes
- ✗ D. All act at a lower pH

Question Type : **MCQ**
Question ID : **4906393686**
Option 1 ID : **49063914743**
Option 2 ID : **49063914741**
Option 3 ID : **49063914742**
Option 4 ID : **49063914744**
Status : **Answered**
Chosen Option : **B**
Marks : **1**

Q.75 Crossing over takes place at the sub- stage of:

Ans
- ✗ A. Diakinesis
- ✗ B. Zygotene
- ✗ C. Leptotene
- ✓ D. Pachytene

Question Type : **MCQ**
Question ID : **4906393676**
Option 1 ID : **49063914704**
Option 2 ID : **49063914702**
Option 3 ID : **49063914701**
Option 4 ID : **49063914703**
Status : **Answered**
Chosen Option : **D**
Marks : **1**

Q.76 Ultra-filteration occurs due to

Ans
- ✗ A. Circulating blood
- ✗ B. Secretion
- ✓ C. Glomerular hydrostatic pressure
- ✗ D. Osmotic concentration

Question Type : **MCQ**
Question ID : **4906393668**
Option 1 ID : **49063914671**
Option 2 ID : **49063914672**
Option 3 ID : **49063914670**
Option 4 ID : **49063914669**
Status : **Answered**
Chosen Option : **C**
Marks : **1**

Q.77 Deforestation generally decreases due to:

Ans
- ✓ A. Rainfall
- ✗ B. Drought
- ✗ C. Soil erosion
- ✗ D. Global warming

Question Type : **MCQ**
Question ID : **4906393703**
Option 1 ID : **49063914810**
Option 2 ID : **49063914809**
Option 3 ID : **49063914812**
Option 4 ID : **49063914811**
Status : **Answered**
Chosen Option : **A**
Marks : **1**

Q.78 Animal cells are connected with each other by:

Ans
- ✓ A. Desmosomes
- ✗ B. Cell membrane
- ✗ C. Plasmodesmata
- ✗ D. Plasma membrane

Question Type : **MCQ**
Question ID : **4906393684**
Option 1 ID : **49063914735**
Option 2 ID : **49063914733**
Option 3 ID : **49063914736**
Option 4 ID : **49063914734**
Status : **Answered**
Chosen Option : **D**
Marks : **-1/4**

Q.79 Ecological Pyramids are also called as:

Ans
- ✓ A. Ectonian Pyramids
- ✗ B. Pyramid of Number
- ✗ C. Pyramid of Energy
- ✗ D. Pyramid of Biomass

Question Type : **MCQ**
Question ID : **4906393699**
Option 1 ID : **49063914795**
Option 2 ID : **49063914793**
Option 3 ID : **49063914794**
Option 4 ID : **49063914796**
Status : **Answered**
Chosen Option : **A**
Marks : **1**

Q.80 Which among the following is not found in case of animal cell?

Ans
- ✗ A. Cell membrane
- ✗ B. Mitochondria
- ✗ C. Cytoplasm
- ✓ D. Cell wall

Question Type : **MCQ**
Question ID : **4906393669**
Option 1 ID : **49063914676**
Option 2 ID : **49063914674**
Option 3 ID : **49063914673**
Option 4 ID : **49063914675**
Status : **Answered**
Chosen Option : **D**
Marks : **1**

Q.81 ADH takes part in

Ans
✗ A. NA+ reabsorption
✓ B. water retention in Nephron
✗ C. Reducing Urea formation
✗ D. Absorption of Water from Urine

Question Type : **MCQ**
Question ID : **4906393671**
Option 1 ID : **49063914682**
Option 2 ID : **49063914681**
Option 3 ID : **49063914683**
Option 4 ID : **49063914684**
Status : **Answered**
Chosen Option : **B**
Marks : **1**

Q.82 The major gases concerned with Acid rain are

Ans
✗ A. O_3
✓ B. SO_2 and NO_2
✗ C. NH_4
✗ D. CO

Question Type : **MCQ**
Question ID : **4906393708**
Option 1 ID : **49063914829**
Option 2 ID : **49063914831**
Option 3 ID : **49063914832**
Option 4 ID : **49063914830**
Status : **Answered**
Chosen Option : **B**
Marks : **1**

Q.83 Haemoglobin remains dissolved in Blood plasma of

Ans
✗ A. Frog
✗ B. Hydra
✓ C. Earthworm
✗ D. Man

Question Type : **MCQ**
Question ID : **4906393690**
Option 1 ID : **49063914759**
Option 2 ID : **49063914760**
Option 3 ID : **49063914758**
Option 4 ID : **49063914757**
Status : **Answered**
Chosen Option : **D**
Marks : **-1/4**

Q.84 In liver, synthesis of Urea takes place by

Ans
- ✗ A. Nitrogen cycle
- ✗ B. Kreb's cycle
- ✓ C. Ornithine cycle
- ✗ D. Glycolysis

Question Type : **MCQ**
Question ID : **4906393667**
Option 1 ID : **49063914666**
Option 2 ID : **49063914667**
Option 3 ID : **49063914665**
Option 4 ID : **49063914668**
Status : **Answered**
Chosen Option : **C**
Marks : **1**

Q.85 Which of the following, is represented by an Autotroph?

Ans
- ✗ A. Mushroom
- ✓ B. Rice plant
- ✗ C. Mucor
- ✗ D. Rhizopus

Question Type : **MCQ**
Question ID : **4906393698**
Option 1 ID : **49063914790**
Option 2 ID : **49063914792**
Option 3 ID : **49063914789**
Option 4 ID : **49063914791**
Status : **Answered**
Chosen Option : **B**
Marks : **1**

Q.86 Exchange of segments between non-homologous chromosomes is known as

Ans
- ✗ A. Inversion
- ✗ B. Transduction
- ✗ C. Transversion
- ✓ D. Translocation

Question Type : **MCQ**
Question ID : **4906393679**
Option 1 ID : **49063914716**
Option 2 ID : **49063914715**
Option 3 ID : **49063914713**
Option 4 ID : **49063914714**
Status : **Answered**
Chosen Option : **C**
Marks : **-1/4**

Q.87 The largest part of Brain is

Ans

✗ A. Medulla oblongata

✗ B. Cerebellum

✗ C. Olfactory lobe

✓ D. Cerebrum

Question Type : **MCQ**
Question ID : **4906393672**
Option 1 ID : **49063914686**
Option 2 ID : **49063914688**
Option 3 ID : **49063914685**
Option 4 ID : **49063914687**
Status : **Answered**
Chosen Option : **D**
Marks : **1**

Q.88 Oxyntic cells of fundic glands secret

Ans

✗ A. Pepsin

✓ B. HCL

✗ C. Renin

✗ D. Mucus

Question Type : **MCQ**
Question ID : **4906393688**
Option 1 ID : **49063914750**
Option 2 ID : **49063914751**
Option 3 ID : **49063914752**
Option 4 ID : **49063914749**
Status : **Not Answered**
Chosen Option : **--**
Marks : **0**

Q.89 Which gas is not associated with respiration of animal?

Ans

✗ A. H_2O

✓ B. Mn

✗ C. O_2

✗ D. CO_2

Question Type : **MCQ**
Question ID : **4906393702**
Option 1 ID : **49063914807**
Option 2 ID : **49063914808**
Option 3 ID : **49063914806**
Option 4 ID : **49063914805**
Status : **Answered**
Chosen Option : **B**
Marks : **1**

Q.90 The Origin of Species by Natural Selection was authored by:

Ans
✗ A. George Mendel
✓ B. Charles Darwin
✗ C. Aristottle
✗ D. Jean B. Lamarck

Question Type : **MCQ**
Question ID : **4906393707**
Option 1 ID : **49063914828**
Option 2 ID : **49063914825**
Option 3 ID : **49063914827**
Option 4 ID : **49063914826**
Status : **Answered**
Chosen Option : **B**
Marks : **1**

Q.91 Five kingdom concept of classification was proposed by:

Ans
✗ A. Carolus Linnaeus
✓ B. Robert Whittaker
✗ C. Theophrastus
✗ D. Aristotle

Question Type : **MCQ**
Question ID : **4906393709**
Option 1 ID : **49063914833**
Option 2 ID : **49063914834**
Option 3 ID : **49063914835**
Option 4 ID : **49063914836**
Status : **Answered**
Chosen Option : **B**
Marks : **1**

Q.92 Chromatin is composed of

Ans
✓ A. DNA, RNA and Proteins
✗ B. DNA and RNA
✗ C. RNA and Protein
✗ D. DNA and Protein

Question Type : **MCQ**
Question ID : **4906393682**
Option 1 ID : **49063914728**
Option 2 ID : **49063914725**
Option 3 ID : **49063914727**
Option 4 ID : **49063914726**
Status : **Answered**
Chosen Option : **D**
Marks : **-1/4**

Q.93 The type of fertilization seen in Frog is:

Ans
- ✓ A. External
- ✗ B. Tubular
- ✗ C. Internal
- ✗ D. Metamorphic

Question Type : **MCQ**
Question ID : **4906393705**
Option 1 ID : **49063914818**
Option 2 ID : **49063914819**
Option 3 ID : **49063914817**
Option 4 ID : **49063914820**
Status : **Answered**
Chosen Option : **A**
Marks : **1**

Q.94 Soil erosion can be prevented by:

Ans
- ✗ A. Over grazing
- ✗ B. Clearing vegetation
- ✓ C. Afforestation
- ✗ D. Deforestation

Question Type : **MCQ**
Question ID : **4906393704**
Option 1 ID : **49063914813**
Option 2 ID : **49063914814**
Option 3 ID : **49063914815**
Option 4 ID : **49063914816**
Status : **Answered**
Chosen Option : **C**
Marks : **1**

Q.95 The Olfactory lobes control the sense of

Ans
- ✗ A. Sight
- ✗ B. Hearing
- ✗ C. Taste
- ✓ D. Smell

Question Type : **MCQ**
Question ID : **4906393675**
Option 1 ID : **49063914700**
Option 2 ID : **49063914698**
Option 3 ID : **49063914697**
Option 4 ID : **49063914699**
Status : **Answered**
Chosen Option : **D**
Marks : **1**

Q.96 Human heart is

Ans
- ✗ A. Progenic
- ✗ B. Neurogenic
- ✓ C. Myogenic
- ✗ D. Eugenic

Question Type : **MCQ**
Question ID : **4906393693**
Option 1 ID : **49063914771**
Option 2 ID : **49063914770**
Option 3 ID : **49063914769**
Option 4 ID : **49063914772**
Status : **Answered**
Chosen Option : **C**
Marks : **1**

Q.97 Maximum contribution of O_2 is from

Ans
- ✗ A. Herbs
- ✗ B. Grass lands
- ✗ C. Dense Forests
- ✓ D. Phytoplankton

Question Type : **MCQ**
Question ID : **4906393696**
Option 1 ID : **49063914782**
Option 2 ID : **49063914784**
Option 3 ID : **49063914783**
Option 4 ID : **49063914781**
Status : **Answered**
Chosen Option : **D**
Marks : **1**

Q.98 The element required for Blood coagulation is

Ans
- ✗ A. Na
- ✗ B. Mn
- ✓ C. Ca
- ✗ D. K

Question Type : **MCQ**
Question ID : **4906393691**
Option 1 ID : **49063914761**
Option 2 ID : **49063914764**
Option 3 ID : **49063914762**
Option 4 ID : **49063914763**
Status : **Answered**
Chosen Option : **C**
Marks : **1**

Q.99 How animal cell is different from plant cell ?

Ans
- ✗ A. Presence of Cytoplasm
- ✗ B. Presence of Cell membrane
- ✗ C. Presence of Mitochondria
- ✓ D. Presence of Centrosome

Question Type : **MCQ**
Question ID : **4906393694**
Option 1 ID : **49063914776**
Option 2 ID : **49063914773**
Option 3 ID : **49063914774**
Option 4 ID : **49063914775**
Status : **Answered**
Chosen Option : **D**
Marks : **1**

Q.100 The blood does not coagulate inside our body because of

Ans
- ✗ A. NaCL in the blood
- ✗ B. Sodium Oxalate in blood
- ✓ C. Heparin in blood
- ✗ D. Blood Pressure

Question Type : **MCQ**
Question ID : **4906393692**
Option 1 ID : **49063914765**
Option 2 ID : **49063914767**
Option 3 ID : **49063914768**
Option 4 ID : **49063914766**
Status : **Answered**
Chosen Option : **C**
Marks : **1**

Q.101 The Mitotic stage at which the chromosomes are seen at the shortest and thickest state is:

Ans
- ✗ A. Anaphase
- ✗ B. Telophase
- ✓ C. Metaphase
- ✗ D. Prophase

Question Type : **MCQ**
Question ID : **4906393685**
Option 1 ID : **49063914739**
Option 2 ID : **49063914740**
Option 3 ID : **49063914738**
Option 4 ID : **49063914737**
Status : **Answered**
Chosen Option : **C**
Marks : **1**

Q.102 Which organelle is known as the power house of cell?

Ans
- ✗ A. Golgi bodies
- ✗ B. Chlorophyll
- ✓ C. Mitochondria
- ✗ D. Ribosome

Question Type : **MCQ**
Question ID : **4906393697**
Option 1 ID : **49063914788**
Option 2 ID : **49063914785**
Option 3 ID : **49063914786**
Option 4 ID : **49063914787**
Status : **Answered**
Chosen Option : **C**
Marks : **1**

Q.103 The coordination of Various parts, in the human body, is achieved through

Ans
- ✓ A. Nervous system
- ✗ B. Endocrine system
- ✗ C. Muscular system
- ✗ D. Reproductive system

Question Type : **MCQ**
Question ID : **4906393674**
Option 1 ID : **49063914693**
Option 2 ID : **49063914695**
Option 3 ID : **49063914694**
Option 4 ID : **49063914696**
Status : **Answered**
Chosen Option : **A**
Marks : **1**

Q.104 The morphological and physiological unit of Vertebrate kidney is

Ans
- ✓ A. Uniferous tubule
- ✗ B. Ureter
- ✗ C. Nephridium
- ✗ D. Seminiferous tubule

Question Type : **MCQ**
Question ID : **4906393666**
Option 1 ID : **49063914664**
Option 2 ID : **49063914661**
Option 3 ID : **49063914662**
Option 4 ID : **49063914663**
Status : **Answered**
Chosen Option : **A**
Marks : **1**

Q.105 A heritable condition of possessing more than two complete sets of Chromosomes is known as

Ans
- ✗ A. Diploidy
- ✗ B. Aneuploidy
- ✗ C. Monoploidy
- ✓ D. Polyploidy

Question Type : **MCQ**
Question ID : **4906393680**
Option 1 ID : **49063914720**
Option 2 ID : **49063914717**
Option 3 ID : **49063914719**
Option 4 ID : **49063914718**
Status : **Answered**
Chosen Option : **D**
Marks : **1**

Q.106 The blood of human being gets purified in

Ans
- ✗ A. Heart
- ✗ B. Skin
- ✗ C. Liver
- ✓ D. Lungs

Question Type : **MCQ**
Question ID : **4906393689**
Option 1 ID : **49063914754**
Option 2 ID : **49063914755**
Option 3 ID : **49063914756**
Option 4 ID : **49063914753**
Status : **Answered**
Chosen Option : **D**
Marks : **1**

Q.107 The source of energy in an ecosystem is:

Ans
- ✗ A. ATP
- ✗ B. ADP
- ✗ C. DNA
- ✓ D. Sunlight

Question Type : **MCQ**
Question ID : **4906393695**
Option 1 ID : **49063914777**
Option 2 ID : **49063914778**
Option 3 ID : **49063914780**
Option 4 ID : **49063914779**
Status : **Answered**
Chosen Option : **D**
Marks : **1**

Q.108 The gas that has relatively stronger affinity for Hemoglobin than Oxygen is:

Ans

✓ A. CO

✗ B. NO_3

✗ C. CH_4

✗ D. NO_2

Question Type : **MCQ**
Question ID : **4906393710**
Option 1 ID : **49063914840**
Option 2 ID : **49063914838**
Option 3 ID : **49063914839**
Option 4 ID : **49063914837**
Status : **Answered**
Chosen Option : **A**
Marks : **1**

Q.109 The process that helps in nutrient conservation is:

Ans

✗ A. Leaching

✗ B. Mineralization

✗ C. Nitrification

✓ D. Immobilization

Question Type : **MCQ**
Question ID : **4906393700**
Option 1 ID : **49063914800**
Option 2 ID : **49063914797**
Option 3 ID : **49063914799**
Option 4 ID : **49063914798**
Status : **Answered**
Chosen Option : **C**
Marks : **-1/4**

Q.110 Which among the following is a Renewable source of energy?

Ans

✗ A. Kerosene

✓ B. Biomass

✗ C. Coal

✗ D. Petroleum

Question Type : **MCQ**
Question ID : **4906393701**
Option 1 ID : **49063914804**
Option 2 ID : **49063914801**
Option 3 ID : **49063914802**
Option 4 ID : **49063914803**
Status : **Answered**
Chosen Option : **B**
Marks : **1**

Section : **Chemistry**

Q.111 Write IUPAC name of the given Compound:

$CH_2 = C (CH_2CH_2CH_3)_2$

Ans
✗ A. 1-n-Propylpent-2-ene
✗ B. 2-n-Ethyldipropene
✗ C. Dipropylethene
✓ D. 2-n-Propylpent-1-ene

Question Type : **MCQ**
Question ID : **4906393738**
Option 1 ID : **49063914949**
Option 2 ID : **49063914952**
Option 3 ID : **49063914950**
Option 4 ID : **49063914951**
Status : **Answered**
Chosen Option : **D**
Marks : **1**

Q.112 What is the IUPAC name of the product obtained by addition reactions of HBr to Hex-1-ene in the presence of peroxide

Ans
✗ A. 2-Bromohexane
✓ B. 1-Bromohexane
✗ C. 5-Bromohexane
✗ D. 3-Bromohexane

Question Type : **MCQ**
Question ID : **4906393740**
Option 1 ID : **49063914957**
Option 2 ID : **49063914959**
Option 3 ID : **49063914958**
Option 4 ID : **49063914960**
Status : **Answered**
Chosen Option : **B**
Marks : **1**

Q.113 Which of the following species, do not show disproportionation reaction?

Ans

✗ A. ClO^-

✓ B. ClO_4^-

✗ C. ClO_2^-

✗ D. ClO_3^-

Question Type : **MCQ**
Question ID : **4906393733**
Option 1 ID : **49063914929**
Option 2 ID : **49063914932**
Option 3 ID : **49063914930**
Option 4 ID : **49063914931**
Status : **Not Answered**
Chosen Option : **--**
Marks : **0**

Q.114 For the equilibrium,

$$2NOCl(g) \rightleftharpoons 2NO(g) + Cl_2(g)$$

the value of the equilibrium constant, K_c is 3.75×10^{-6} at 1069 K. Calculate the K_p for the reaction at this temperature?

Ans

✗ A. 0.003

✓ B. 0.033

✗ C. 0.33

✗ D. 3.33

Question Type : **MCQ**
Question ID : **4906393729**
Option 1 ID : **49063914916**
Option 2 ID : **49063914914**
Option 3 ID : **49063914913**
Option 4 ID : **49063914915**
Status : **Not Answered**
Chosen Option : **--**
Marks : **0**

Q.115 What is the state of hybridisation of carbon in the given compound and its shape?

$H_2C=O$

Ans
✗ A. sp^3 hybridised carbon, tetrahedral

✓ B. sp^2 hybridised carbon, trigonal planar

✗ C. sp hybridised carbon, linear

✗ D. sp^2 hybridised carbon, trigonal-pyramidal

Question Type : **MCQ**
Question ID : **4906393735**
Option 1 ID : **49063914938**
Option 2 ID : **49063914937**
Option 3 ID : **49063914939**
Option 4 ID : **49063914940**
Status : **Answered**
Chosen Option : **B**
Marks : **1**

Q.116 If N_2 gas is bubbled through water at 293K, how many millimoles of N_2 gas would dissolve in 1 litre of water? Assume that N_2 exerts a partial pressure of 0.987 bar. Given that Henry's law constant for N_2 at 293 K is 76.48 kbar.

Ans
✗ A. 2.864 mmol

✓ B. 0.716 mmol

✗ C. 0.358 mmol

✗ D. 1.432 mmol

Question Type : **MCQ**
Question ID : **4906393743**
Option 1 ID : **49063914972**
Option 2 ID : **49063914969**
Option 3 ID : **49063914970**
Option 4 ID : **49063914971**
Status : **Not Answered**
Chosen Option : **--**
Marks : **0**

Q.117 What is the role of depressants in Froth floatation process?

Ans

✓ A. It selectively prevents/allows elements to come with froth

✗ B. To enhance froth

✗ C. It makes the element heavier and help in settling below

✗ D. To reduce the amount of froth

Question Type : **MCQ**
Question ID : **4906393749**
Option 1 ID : **49063914995**
Option 2 ID : **49063914993**
Option 3 ID : **49063914996**
Option 4 ID : **49063914994**
Status : **Answered**
Chosen Option : **C**
Marks : **-1/4**

Q.118

How many moles of methane are required to produce 22g CO_2 (g) after combustion?

Ans

✗ A. 3 moles

✗ B. 1 mole

✗ C. 2 moles

✓ D. 0.5 mole

Question Type : **MCQ**
Question ID : **4906393712**
Option 1 ID : **49063914848**
Option 2 ID : **49063914846**
Option 3 ID : **49063914845**
Option 4 ID : **49063914847**
Status : **Answered**
Chosen Option : **D**
Marks : **1**

Q.119 Which of the following will have the least negative electron gain enthalpy?

Ans

✗ A. F

✗ B. S

✓ C. P

✗ D. Cl

Question Type : **MCQ**
Question ID : **4906393722**
Option 1 ID : **49063914888**
Option 2 ID : **49063914886**
Option 3 ID : **49063914885**
Option 4 ID : **49063914887**
Status : **Answered**
Chosen Option : **C**
Marks : **1**

Q.120 Although Thermodynamically feasible, but practically, Magnesium metal is not used for reduction of alumina in the Aluminium metallurgy. Why?

Ans

✗ A. The pressure required is not attainable

✓ B. The Process is uneconomical

✗ C. Magnesium cannot reduce Alumina in any conditions

✗ D. The temperature required is not attainable

Question Type : **MCQ**
Question ID : **4906393748**
Option 1 ID : **49063914992**
Option 2 ID : **49063914990**
Option 3 ID : **49063914989**
Option 4 ID : **49063914991**
Status : **Answered**
Chosen Option : **C**
Marks : **-1/4**

Q.121 The vapour pressure of pure benzene at a certain temperature is 0.850 bar. A non-volatile, non-electrolyte solid weighing 0.5 g when added to 39.0 g of benzene (molar mass 78 g mol-1). Vapour pressure of the solution, then, is 0.845 bar. What is the molar mass of the solid substance?

Ans

✗ A. $17\ g\ mol^{-1}$

✓ B. $170\ g\ mol^{-1}$

✗ C. $85\ g\ mol^{-1}$

✗ D. $340\ g\ mol^{-1}$

Question Type : **MCQ**
Question ID : **4906393744**
Option 1 ID : **49063914973**
Option 2 ID : **49063914976**
Option 3 ID : **49063914974**
Option 4 ID : **49063914975**
Status : **Not Answered**
Chosen Option : **--**
Marks : **0**

Q.122 The number of electrons, protons and neutrons in a species are equal to 18, 16 and 16 respectively. Then, the proper symbol of the species would be:

Ans

✗ A. S^{2+}

✗ B. Cl^{2-}

✗ C. P^{2-}

✓ D. S^{2-}

Question Type : **MCQ**
Question ID : **4906393719**
Option 1 ID : **49063914873**
Option 2 ID : **49063914875**
Option 3 ID : **49063914874**
Option 4 ID : **49063914876**
Status : **Answered**
Chosen Option : **D**
Marks : **1**

Q.123

The pK_a of acetic acid and pK_b of ammonium hydroxide are 4.76 and 4.75 respectively. Calculate the pH of ammonium acetate solution.

Ans

✗ A. 0.0075

✗ B. 5.007

✓ C. 7.005

✗ D. 0.757

Question Type : **MCQ**
Question ID : **4906393731**
Option 1 ID : **49063914921**
Option 2 ID : **49063914923**
Option 3 ID : **49063914922**
Option 4 ID : **49063914924**
Status : **Answered**
Chosen Option : **C**
Marks : **1**

Q.124

The boiling point of benzene is 353.23 K. When 1.80 g of a non-volatile solute was dissolved in 90 g of benzene, the boiling point is raised to 354.11 K. Calculate the molar mass of the solute.

[K_b for benzene is 2.53 K kg mol^{-1}]

Ans

✗ A. 116 g mol^{-1}

✗ B. 98 g mol^{-1}

✓ C. 58 g mol^{-1}

✗ D. 29 g mol^{-1}

Question Type : **MCQ**
Question ID : **4906393745**
Option 1 ID : **49063914979**
Option 2 ID : **49063914980**
Option 3 ID : **49063914978**
Option 4 ID : **49063914977**
Status : **Not Answered**
Chosen Option : **--**
Marks : **0**

Q.125 **Which of the following correctly depicts the repulsive interaction of Lone pair (lp) and Bond pair (bp) of electrons?**

Ans

✗ A. (lp-bp) > (bp-bp) > (lp-lp)

✗ B. (lp-bp) > (lp-lp) > (lp-bp)

✓ C. (lp-lp) > (lp-bp) > (bp-bp)

✗ D. (lp-lp) > (bp-bp) > (lp-bp)

Question Type : **MCQ**
Question ID : **4906393727**
Option 1 ID : **49063914906**
Option 2 ID : **49063914908**
Option 3 ID : **49063914907**
Option 4 ID : **49063914905**
Status : **Answered**
Chosen Option : **C**
Marks : **1**

Q.126 What would be the IUPAC Nomenclature for the element with atomic number 110?

Ans
✗ A. Unbinilium
✓ B. Ununnilium
✗ C. Unnilunium
✗ D. Ununbium

Question Type : **MCQ**
Question ID : **4906393718**
Option 1 ID : **49063914870**
Option 2 ID : **49063914872**
Option 3 ID : **49063914871**
Option 4 ID : **49063914869**
Status : **Answered**
Chosen Option : **B**
Marks : **1**

Q.127

45 g of ethylene glycol ($C_2H_6O_2$) is mixed with 600 g of water. Calculate the freezing point of the solution?

[K_f for water is 1.86 K kg mol^{-1}]

Ans
✗ A. 280.56 K
✗ B. 273.202 K
✓ C. 270.95 K
✗ D. 265.67 K

Question Type : **MCQ**
Question ID : **4906393746**
Option 1 ID : **49063914983**
Option 2 ID : **49063914981**
Option 3 ID : **49063914982**
Option 4 ID : **49063914984**
Status : **Not Answered**
Chosen Option : **--**
Marks : **0**

Q.128

50.0 kg of N_2 (g) and 10.0 kg of H_2 (g) are mixed to produce NH_3 (g).

$$N_2\,(g) + 3\,H_2\,(g) \rightleftharpoons 2NH_3\,(g)$$

Which is the limiting reagent in the production of NH_3 in the above case ?

Ans

✗ A. both N_2 and H_2

✗ B. None of them

✗ C. N_2

✓ D. H_2

Question Type : **MCQ**
Question ID : **4906393713**
Option 1 ID : **49063914851**
Option 2 ID : **49063914852**
Option 3 ID : **49063914849**
Option 4 ID : **49063914850**
Status : **Answered**
Chosen Option : **D**
Marks : **1**

Q.129 Which of the following is a Nucleophile?

Ans

✗ A. N^+O_2

✗ B. $CH_3–C^+=O$,

✗ C. Cl^+

✓ D. HS^-

Question Type : **MCQ**
Question ID : **4906393736**
Option 1 ID : **49063914944**
Option 2 ID : **49063914943**
Option 3 ID : **49063914942**
Option 4 ID : **49063914941**
Status : **Answered**
Chosen Option : **D**
Marks : **1**

Q.130 How many σ and π bonds are present in the given molecule?

$HC\equiv CCH=CHCH_3$

Ans
✗ A. 9 σ and 4 π bonds
✗ B. 12 σ and 2 π bonds
✗ C. 11 σ and 2 π bonds
✓ D. 10 σ and 3 π bonds

Question Type : **MCQ**
Question ID : **4906393734**
Option 1 ID : **49063914935**
Option 2 ID : **49063914936**
Option 3 ID : **49063914933**
Option 4 ID : **49063914934**
Status : **Answered**
Chosen Option : **D**
Marks : **1**

Q.131 Which of the following species will have the smallest size?

Ans
✗ A. Al
✓ B. Al^{3+}
✗ C. Mg
✗ D. Mg^{2+}

Question Type : **MCQ**
Question ID : **4906393721**
Option 1 ID : **49063914883**
Option 2 ID : **49063914884**
Option 3 ID : **49063914881**
Option 4 ID : **49063914882**
Status : **Answered**
Chosen Option : **B**
Marks : **1**

Q.132 At equilibrium, the concentrations of

$N_2=3.0 \times 10^{-3}M$,

$O_2 = 4.2 \times 10^{-3}M$ and

$NO= 2.8 \times 10^{-3}M$

in a sealed vessel at 800K. What will be K_c for the reaction?

$N_2(g) + O_2(g) \rightleftharpoons 2NO(g)$

Ans
✗ A. 0.226
✗ B. 6.22
✓ C. 0.622
✗ D. 622

Question Type : **MCQ**
Question ID : **4906393728**
Option 1 ID : **49063914912**
Option 2 ID : **49063914910**
Option 3 ID : **49063914909**
Option 4 ID : **49063914911**
Status : **Answered**
Chosen Option : **C**
Marks : **1**

Q.133 Using the Periodic Table, predict the formulas of compounds which might be formed by the following pairs of elements: aluminium and sulphur.

Ans
✗ A. Al_3S_2
✗ B. AlS_3
✓ C. Al_2S_3
✗ D. AlS_2

Question Type : **MCQ**
Question ID : **4906393723**
Option 1 ID : **49063914889**
Option 2 ID : **49063914890**
Option 3 ID : **49063914891**
Option 4 ID : **49063914892**
Status : **Answered**
Chosen Option : **C**
Marks : **1**

Q.134 A golf ball has a mass of 40g, and a speed of 45 m/s. If the speed can be measured within accuracy of 2%, calculate the uncertainty in the position?

Ans

✗ A. 9.46×10^{-53} m

✓ B. 1.46×10^{-33} m

✗ C. 9.49×10^{-23} m

✗ D. 2.89×10^{-13} m

Question Type : **MCQ**
Question ID : **4906393716**
Option 1 ID : **49063914864**
Option 2 ID : **49063914863**
Option 3 ID : **49063914862**
Option 4 ID : **49063914861**
Status : **Not Answered**
Chosen Option : **--**
Marks : **0**

Q.135 Which of the following is not a method of Concentration of Ores?

Ans

✗ A. Leaching

✗ B. Magnetic separation

✗ C. Froth Floatation

✓ D. Liquation

Question Type : **MCQ**
Question ID : **4906393750**
Option 1 ID : **49063915000**
Option 2 ID : **49063914998**
Option 3 ID : **49063914997**
Option 4 ID : **49063914999**
Status : **Answered**
Chosen Option : **D**
Marks : **1**

Q.136 Calculate the molarity of a solution containing 5 g of NaOH in 450 mL solution?

Ans

✗ A. $0.728\ mol\ L^{-1}$

✓ B. $0.278\ mol\ L^{-1}$

✗ C. $0.872\ mol\ L^{-1}$

✗ D. $0.556\ mol\ L^{-1}$

Question Type : **MCQ**
Question ID : **4906393742**
Option 1 ID : **49063914965**
Option 2 ID : **49063914967**
Option 3 ID : **49063914966**
Option 4 ID : **49063914968**
Status : **Answered**
Chosen Option : **B**
Marks : **1**

Q.137 A 100 watt bulb emits monochromatic light of wavelength 400 nm. Calculate the number of photons emitted per second by the bulb?

Ans

✗ A. $9.078\ X\ 10^{20}$

✗ B. $8.412\ X\ 10^{25}$

✗ C. $4.12\ X\ 10^{30}$

✓ D. $2.012\ X\ 10^{20}$

Question Type : **MCQ**
Question ID : **4906393714**
Option 1 ID : **49063914856**
Option 2 ID : **49063914855**
Option 3 ID : **49063914853**
Option 4 ID : **49063914854**
Status : **Answered**
Chosen Option : **C**
Marks : **-1/4**

Q.138 Which of the following compounds will show cis-trans isomerism?

(i) $(CH_3)_2C = CH - C_2H_5$

(ii) $CH_2 = CBr_2$

(iii) $C_6H_5CH = CH - CH_3$

(iv) $CH_3CH = CCl\,CH_3$

Ans
✗ A. only (ii)

✓ B. (iii) and (iv) only

✗ C. (i), (ii), and (iii) only

✗ D. only (i) and (ii)

Question Type : **MCQ**
Question ID : **4906393739**
Option 1 ID : **49063914953**
Option 2 ID : **49063914956**
Option 3 ID : **49063914955**
Option 4 ID : **49063914954**
Status : **Answered**
Chosen Option : **A**
Marks : **-1/4**

Q.139 200 cm^3 of an aqueous solution of a protein contains 1.26 g of the protein. The osmotic pressure of such a solution at 300 K is found to be 2.57×10^{-3} bar. Calculate the molar mass of the protein?

Ans

✗ A. 15,346 g mol^{-1}

✗ B. 30,998 g mol^{-1}

✓ C. 61,022 g mol^{-1}

✗ D. 126,065 g mol^{-1}

Question Type : **MCQ**
Question ID : **4906393747**
Option 1 ID : **49063914988**
Option 2 ID : **49063914986**
Option 3 ID : **49063914985**
Option 4 ID : **49063914987**
Status : **Answered**
Chosen Option : **B**
Marks : **-1/4**

Q.140 **Which of the following could be true about the factors affecting equilibria?**

Ans ✗ A. The concentration stress of a removed reactant/product is relieved by net reaction in the direction that reduces the removed substance.

✗ B. The equilibrium constant for an endothermic reaction decreases as the temperature increases.

✓ C. Catalyst does not affect the equilibrium composition of a reaction mixture.

✗ D. The equilibrium constant for an exothermic reaction increases as the temperature increases.

Question Type : **MCQ**
Question ID : **4906393730**
Option 1 ID : **49063914917**
Option 2 ID : **49063914919**
Option 3 ID : **49063914920**
Option 4 ID : **49063914918**
Status : **Answered**
Chosen Option : **C**
Marks : **1**

Q.141 The values of K_{sp} of two sparingly soluble salts $Ni(OH)_2$ and AgCN are 2.0×10^{-15} and 6×10^{-17} respectively. Which salt is more soluble?

Ans
✗ A. cannot be determined
✗ B. both are equally soluble
✗ C. AgCN
✓ D. $Ni(OH)_2$

Question Type : **MCQ**
Question ID : **4906393732**
Option 1 ID : **49063914928**
Option 2 ID : **49063914927**
Option 3 ID : **49063914926**
Option 4 ID : **49063914925**
Status : **Not Answered**
Chosen Option : **--**
Marks : **0**

Q.142 Calculate the mass of a photon with wavelength 3.6 A.

Ans
✗ A. 16.135×10^{-29} kg
✗ B. 8.139×10^{-29} kg
✓ C. 6.135×10^{-29} kg
✗ D. 5.335×10^{-29} kg

Question Type : **MCQ**
Question ID : **4906393715**
Option 1 ID : **49063914859**
Option 2 ID : **49063914860**
Option 3 ID : **49063914857**
Option 4 ID : **49063914858**
Status : **Answered**
Chosen Option : **C**
Marks : **1**

Q.143 Using s, p, d, f notations, describe the orbital with the following quantum numbers: n = 5, l = 3

Ans
- ✓ A. 5f
- ✗ B. 5d
- ✗ C. 5s
- ✗ D. 5p

Question Type : **MCQ**
Question ID : **4906393717**
Option 1 ID : **49063914868**
Option 2 ID : **49063914865**
Option 3 ID : **49063914866**
Option 4 ID : **49063914867**
Status : **Answered**
Chosen Option : **A**
Marks : **1**

Q.144 On complete combustion, 0.246 g of an organic compound gave 0.198g of carbon dioxide and 0.1014g of water. Determine the percentage composition of Hydrogen in the compound?

Ans
- ✓ A. 0.0458
- ✗ B. 0.1066
- ✗ C. 0.0936
- ✗ D. 0.0688

Question Type : **MCQ**
Question ID : **4906393737**
Option 1 ID : **49063914946**
Option 2 ID : **49063914948**
Option 3 ID : **49063914945**
Option 4 ID : **49063914947**
Status : **Not Answered**
Chosen Option : **--**
Marks : **0**

Q.145 Considering the atomic number and position in the periodic table, arrange the following elements in the increasing order of metallic character : Si, Be, Mg, Na, P.

Ans
- ✓ A. P < Si < Be < Mg < Na
- ✗ B. Si < P < Be < Na < Mg
- ✗ C. Si < Be < P < Na < Mg
- ✗ D. P < Si < Be < Na < Mg

Question Type : **MCQ**
Question ID : **4906393720**
Option 1 ID : **49063914877**
Option 2 ID : **49063914879**
Option 3 ID : **49063914880**
Option 4 ID : **49063914878**
Status : **Answered**
Chosen Option : **A**
Marks : **1**

Q.146

Calculate the approximate molecular mass of glucose ($C_6H_{12}O_6$) molecule ?

Ans
- ✗ A. 198 u
- ✗ B. 150 u
- ✗ C. 168 u
- ✓ D. 180 u

Question Type : **MCQ**
Question ID : **4906393711**
Option 1 ID : **49063914844**
Option 2 ID : **49063914841**
Option 3 ID : **49063914843**
Option 4 ID : **49063914842**
Status : **Answered**
Chosen Option : **D**
Marks : **1**

Q.147

In which shaped molecules/ions sp^3d^2 hybridization can happen?

Ans
- ✗ A. None of these
- ✗ B. square-pyramidal
- ✗ C. octahedral
- ✓ D. both square-pyramidal and octahedral

Question Type : **MCQ**
Question ID : **4906393726**
Option 1 ID : **49063914904**
Option 2 ID : **49063914901**
Option 3 ID : **49063914902**
Option 4 ID : **49063914903**
Status : **Answered**
Chosen Option : **D**
Marks : **1**

Q.148

Calculate the mole fraction of water in a solution containing 20% of $C_2H_6O_2$ by mass.

Ans
- ✗ A. 0.438
- ✗ B. 0.876
- ✗ C. 0.068
- ✓ D. 0.932

Question Type : **MCQ**
Question ID : **4906393741**
Option 1 ID : **49063914964**
Option 2 ID : **49063914963**
Option 3 ID : **49063914962**
Option 4 ID : **49063914961**
Status : **Not Answered**
Chosen Option : **--**
Marks : **0**

Q.149

What is the covalency of Al in $AlCl(H_2O)_5]^{2+}$?

Ans
- ✓ A. 6
- ✗ B. 5
- ✗ C. 3
- ✗ D. 4

Question Type : **MCQ**
Question ID : **4906393724**
Option 1 ID : **49063914896**
Option 2 ID : **49063914895**
Option 3 ID : **49063914893**
Option 4 ID : **49063914894**
Status : **Answered**
Chosen Option : **C**
Marks : **-1/4**

Q.150 Which of the following is the geometry of NF_3 molecule?

Ans
✗ A. Trigonal-planar
✗ B. Tetrahedral
✗ C. Bent
✓ D. Trigonal-Pyramidal

Question Type : **MCQ**
Question ID : **4906393725**
Option 1 ID : **49063914900**
Option 2 ID : **49063914898**
Option 3 ID : **49063914899**
Option 4 ID : **49063914897**
Status : **Answered**
Chosen Option : **D**
Marks : **1**